



DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, DC 20380-0001

MCO 1543.9

C2I

21 Dec 92

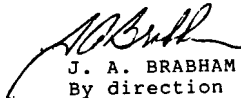
MARINE CORPS ORDER 1543.9

From: Commandant of the Marine Corps
To: Distribution List

Subj: MATERIEL FIELDING PLAN FOR THE UNDERWATER BREATHING
APPARATUS (UBA) DEPLOYABLE TOOL SET

Encl: (1) Materiel Fielding Plan for the Underwater Breathing
Apparatus Deployable Tool Set

1. Purpose. Enclosure (1) is provided as information and instructions concerning the fielding and support for the UBA Deployable Tool Set.
2. Information. The UBA Deployable Tool Set provides a standard set of tools which are needed to perform maintenance on closed circuit diving equipment. The set contains tools and test equipment that are used to perform preventive and corrective maintenance procedures at the organizational level, up to and including limited third echelon maintenance.
3. Action. The commanders of each organizational element concerned shall ensure implementation of the provisions of this Order.
4. Reserve Applicability. This Order is applicable to the Marine Corps Reserve.


J. A. BRABHAM
By direction

DISTRIBUTION: PCN 10201835500

Copy to: 7000110 (55)
8145005 (2)
7000099, 144/8145001 (1)

MATERIEL FIELDING PLAN

FOR THE UNDERWATER BREATHING APPARATUS DEPLOYABLE TOOL SET

1. Introduction

a. Source of Requirement. Commanding General, Marine Corps Combat Development Command (CG, MCCDC) message 252000Z Jul 90 identified the requirement for closed circuit diving equipment for Special Operational Capable (SOC) units in the Marine Corps. This tool set will be primarily used to perform organizational maintenance on the Breathing Apparatus, Underwater (UBA), TAMCN C4185; and the Life Preserver, Vest, TAMCN K4516.

b. Points of Contact

<u>Name</u>	<u>Command/Telephone</u>
GySgt Scriven	Project Officer Diving Equipment MARCORSYSCOM (C2IA) Quantico, VA 22134-5010 AV/DSN 278-2914 COML: (703) 640-2914
Maj Thompson	ILS Officer Diving Equipment MARCORSYSCOM (C2IL) Quantico, VA 22134-5010 AV/DSN 278-2234 COML: (703) 640-2234
Bob Greenleaf	Inventory Manager Diving Equipment MARCORLOGBASES (Code 835-1) Albany, GA 31704-5000 AV/DSN 567-6534 COML: (912) 439-6534
Thomas Linden	Equipment Specialist Diving Equipment MARCORLOGBASES (Code 835-1) Albany, GA 31704-5000 AV/DSN 567-6534 COML: (912) 439-6534

ENCLOSURE (1)

21 Dec 92

c. Fielding Methodology

(1) General Fielding Plan. The UBA Deployable Tool Set will be fielded vertically in order to give the units with the greatest need the tool set first. Appendix A identifies the delivery schedule and allowances for units. See appendix B for schedule of events.

(2) Method of Fielding. There will not be an initial issue of the tool sets. Owning units must requisition the quantities of tool sets as indicated in appendix A with their own Operations and Maintenance (O&M) funds. Additional or replacement sets must be requisitioned, via Military Standard Requisitioning and Issue Procedures (MILSTRIP), from Commander, Marine Corps Logistics Bases (COMMARCORLOGBASES) (Code 835-1), Albany, GA.

d. Replaced Systems/Equipment. This tool set does not replace any specific Marine Corps Tool Set. However, this set replaces all locally purchased closed circuit diving tools which may currently exist in an using/owning unit's inventory and provides a standard set of tools which will be common to dive lockers.

2. System Description

a. Administrative Information

(1) Nomenclature. UBA, Deployable Tool Set

(2) TAMCN. K4999IIE

(3) Stores Account Code (SAC). 1

(4) NSN. 5180-01-352-5496

(5) Unit of Issue (UI). Set

(6) Unit Cost (UC). \$3,000.00 (est)

(7) Support Cost. N/A

(8) Equipment Density. Normal

(9) Readiness Reporting. N/A

(10) Identification Number. 09659A

ENCLOSURE (1)

b. Physical Characteristics

	<u>Operational Configuration</u>	<u>Storage/Shipping Configuration</u>
(1) <u>Length</u>	22 in	22 in
(2) <u>Width</u>	17 in	17 in
(3) <u>Height</u>	8 in	8 in
(4) <u>Square</u>	3 ft2	3 ft2
(5) <u>Cube</u>	2 ft3	2 ft3
(6) <u>Weight</u>	50 lbs (est)	50 lbs (est)
(7) <u>Stowage</u>	2 ft3	2 ft3
(8) <u>Power Requirements</u>	N/A	

c. Operational Characteristics. The UBA Deployable Tool Set has been developed to provide a standard set of tools to perform repairs on closed circuit diving equipment. The tool set is designed to meet all the first, second and limited third echelon maintenance tasks which involve component replacement. Component repairs should be accomplished with the Tool Set, Shop, Oxygen Equipment (TAMCN K4994). Since closed circuit diving equipment is used to transfer pure oxygen to divers, it is imperative that the tools remain extremely clean. Therefore, other tools which may be used to repair other items of equipment should not be used in lieu of the tools in this set. The tool set is also designed to provide a closed circuit maintenance technician with the tools to support a deployed detachment of divers while aboard ship.

d. Associated/Related Systems/Equipment. This tool set is applicable for repairing the UBA, TAMCN C4185 and the Life Preserver Vest, TAMCN K4516 in the Marine Corps inventory.

3. Logistics Support

a. Maintenance Support

(1) All of the items in the tool set require first echelon maintenance by the using and owning units. The basic tasks include the proper care, cleaning and inventory requirements. The following items require calibration and will need to be performed by a Navy calibration lab/facility:

ENCLOSURE (1)

21 Dec 92

<u>NSN NUMBER</u>	<u>PART NUMBER</u>	<u>ITEM</u>
4220-01-249-0704		Test Assembly Pressure
	National Draegar 4054115	Test Assembly, Regulator Pressure
	National Draegar 4054156	Test Kit, Bellows

(2) All of the other items do not require maintenance beyond first echelon.

b. Contractor Support Requirements

(1) Depot Support. N/A

(2) Interim Contractor Support (ICS). N/A

c. Manpower, Personnel, and Training

(1) Personnel Requirements. There is no impact on personnel requirements. The current T/O strength will be used.

(2) Training Requirements. There are no special training requirements needed to operate the tools in this set. Personnel (MOS 8653) that are authorized to repair the UBA or Life Preserver Vest should use the tools to perform the necessary organizational maintenance.

(3) Training Support Items. N/A

d. Supply Support

(1) Provisioning. All the tools in the set are available through the supply system. Ships Parts Control Center (SPCC), Mechanicsburg, PA in conjunction with COMMARCORLOGBASES, Albany, GA has completed the limited provisioning on the Tool Set.

(2) Replenishment. All requests for additional or replacement tool sets or any of the individual items within the set will be requisitioned from COMMARCORLOGBASES (Code 835-1), Albany, GA via MILSTRIP requisition. Since this set is a SAC 1 item, the owning units are required to requisition the tool set items with their own O&M funds.

e. Support Equipment. N/A

(1) Special Tools. N/A

(2) Common Tools. N/A

ENCLOSURE (1)

21 Dec 92

(3) Special Purpose Test Equipment (SPTE). N/A

(4) General Purpose Test Equipment (GPTE). N/A

(5) Test Program Sets (TPS). N/A

(6) Other Support Equipment. N/A

f. Technical Publications (TP). The UBA Deployable Tool Set is supported by the SL-3-09659A for component part requisitioning and inventory purposes.

g. Commuter Resources Support. N/A

h. Facilities. No new, interim or special facilities are required to support the UBA Deployable Tool Set.

i. Packaging, Handling, Storage, and Transportation

(1) Packaging. There are no special packaging requirements.

(2) Handling. There are no special handling procedures.

(3) Storage. Components of the tool set should be stored in the container (NSN 6760-01-258-0449) provided with the set.

(4) Transportability. There are no special transportation or transportability requirements. The tool set can be transported via air, ship, rail or highway, worldwide.

j. Warranties. There are no specially procured warranties for items in the tool set. If any of the items in the tool set come overpacked with a commercial warranty, the owning unit must follow the guidelines as per MCO P4105.2 prior to submitting any warranty claims.

4. Action Required To Place Equipment In Service

a. Gaining Commands

(1) The tool sets should be placed on administrative deadline until the provisions of MCO P4105.3, paragraph 3b(1), page 3-17 are met.

(2) After all the tasks are met, request authorization from either the Commanding Generals, FMFLant, FMFPac or 4th MarDiv to place the tool set into service.

(3) Materiel Defects Reporting. If any of the contents of the Tool Set arrive damaged or missing, a SF 368 Quality Deficiency Report (QDR) should be submitted to COMMARCORLOGBASES,

ENCLOSURE (1)

21 Dec 92

(Code 808-1), Albany, GA. If any of the items become deficient from other than normal use, a QDR should be submitted. A QDR, with block 19 marked "yes", should also be completed if a deficiency occurs during the warranty period. The starting time of the commercial warranty will be recorded by the owning unit upon delivery. Understanding the terms and conditions of the commercial warranties are the owning unit's responsibility. Any questions on the warranty should be addressed to COMMARCORLOGBASES, (Code 835-1), Albany, GA.

(4) Retrograde of Existing Equipment. All tools and other equipment which are currently being used in lieu of the items in the deployable tool set should not be used to maintain oxygen transferring equipment. Any tools which are not listed in the SL-3 should either be used to perform maintenance on other equipment or returned to the unit supply officer for disposition.

(5) Obtaining Support Consumable. None.

b. COMMARCORLOGBASES, Albany. Perform the necessary life cycle management functions to support the tool set.

ENCLOSURE (1)

LIST OF ALLOWANCES AND DELIVERY SCHEDULES

ACTIVE FORCES

T/E NO	UNIT TITLE	NO. UNITS	UNIT ALLOW	PLANNED		
				FY 93	QTR	
				2	3	4
7441	MARCORSYSCOM (C2IA)	1	1	1		
N1412	Recon Co, 1st Inf Regt, 1st MarDiv	1	1	1		
N1412	Recon Co, 5th Inf Regt, 1st MarDiv	1	1	1		
N1421	H&S Co, Recon Bn, 2d MarDiv	1	2	2		
N1422	Recon Co, 2d Inf Regt, 2d MarDiv	1	1	1		
N1422	Recon Co, 6th Inf Regt, 2d MarDiv	1	1	1		
N1432	Recon Co, 4th Inf Regt, 3d MarDiv	1	1	1		
N1432	Recon Co, 9th Inf Regt, 3d MarDiv	1	1	1		
N4618	Force Recon Co, 1st SRI Group	1	11	11		
N4718	Force Recon Co, 2d SRI Group	1	11	11		
N4818	Force Recon Co, 3d SRI Group	1	2	2		

RESERVE FORCES

T/E NO	UNIT TITLE	NO. UNITS	UNIT ALLOW	PLANNED		
				FY 93	QTR	
				2	3	4
N1442	Recon Co, Inf Regt, 4th MarDiv	2	1	2		
M4623	Force Recon Co, 4th MarDiv	1	1	1		

Total 36

SCHEDULE OF EVENTS

Begin Fielding	2d Qtr FY 93
Initiating Service Date	2d Qtr FY 93
Initial Operational Capability (IOC)	2d Qtr FY 93
Full Operational Capability (FOC)	2d Qtr FY 93